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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/539,422	06/20/2005	Susumu Idomoto	38341	1127
52054	7590	03/26/2007	EXAMINER	
PEARNE & GORDON LLP 1801 EAST 9TH SRTEET SUITE 1200 CLEVELAND, OH 44114-3108			PELHAM, JOSEPH MOORE	
			ART UNIT	PAPER NUMBER
			3742	
SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
3 MONTHS	03/26/2007	PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	10/539,422	IDOMOTO ET AL
	<b>Examiner</b>	<b>Art Unit</b>
	Joseph M. Pelham	3742

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on \_\_\_\_\_.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-10 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 20 July 2005 is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date: _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>6/20/05</u>   | 6) <input type="checkbox"/> Other: _____                          |

***Claim Rejections - 35 USC § 112***

Claims 1-10 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The claim syntax is not sufficiently colloquial to avoid confusion, and should be rewritten in colloquial English. For example, claim 1 should read "...heater arranged along an outer side of a face member forming the heating chamber..." In claim 2, "a projected shape projected to" is indefinite. Claim 5 is not sufficiently unintelligible. Claim 8 should refer to a "elongated convex" or "concave" portion of the face member whose major axis is parallel to the heater.

***Claim Rejections - 35 USC § 102***

Claims 1, 2, and 7 are rejected under 35 U.S.C. 102(b) as being anticipated by US Pat. 4761529.

Referring to Figs. 1-3 and col. 2, lines 57-65, US'529 discloses elongate heaters 9, 10 outside a "face member" forming a heating chamber 5, and a foraminous heat shielding member 18, whose width varies along its length: the region where element 19 overlaps element 20 is wider than the end regions occupied by element 20 alone.

***Claim Rejections - 35 USC § 103***

Claims 3-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over US'529 in view of US Pat. 5471914.

The claims differ from US'529 only in calling for heat shield projecting toward the heated and having a larger shielding area at the center than at the ends. Referring to Fig. 3 and col. 5, line 27, through col. 6, line 11, US'914 discloses heat shield projecting toward the heated and having a larger shielding area at the center than at the ends, since the area of holes 86 is smaller than that of holes 88. It would have been obvious to adapt the shape and shielding configuration of US'914 to the shield of US'529 since US'914 teaches such to enhance heating uniformity.

*Applicant is strongly urged to review the prior art cited but not applied when replying to this Office action.*

***Allowable Subject Matter***

Claims 8-10 would appear to be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

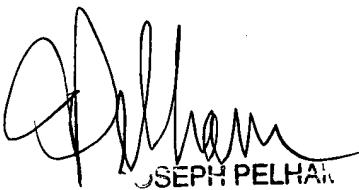
Art Unit: 3742

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph M. Pelham whose telephone number is 571-272-4786. The examiner can normally be reached on M-F 8:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robin Evans can be reached on 571-272-4777. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

3/17/07



JOSEPH PELHAM  
PATENT EXAMINER